

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. A computer system for analyzing text in one or more electronic documents, comprising:

one or more system interfaces; and

an affix process that determines one or more affixes of one or more words in one or more of the documents and provides the affixes to the system interface, said process comprising obtaining a collection of words, adding the words into a prefix Patricia Tree, using the prefix Patricia Tree to identify a set of candidate prefixes, reversing each of the words, adding the reversed words into a suffix Patricia Tree, using the suffix Patricia Tree to identify a set of candidate suffixes, refining the sets of candidate prefixes and suffixes to identify actual prefixes and suffixes, including using knowledge, previously discovered in said refining, to further refine said sets of candidate prefixes and suffixes.

2. (Original) A system, as in Claim 1, where one or more of the affixes are nested affixes, each nested affix comprising one or more affixes.

3. (Original) A system, as in Claim 1, where the affix process determines one or more suffixes of one or more of the words.

4. (Original) A system, as in Claim 3, where one or more of the suffixes are nested suffixes, each nested suffix comprising one or more suffixes.
5. (Original) A system, as in Claim 1, where the affix process determines one or more infixes of one or more of the words.
6. (Original) A system, as in Claim 5, where one or more of the infixes are nested infixes, each nested infix comprising one or more infixes.
7. (Original) A system, as in Claim 1, wherein the affix process determines one or more prefixes of one or more of the words.
8. (Original) A system, as in Claim 7, wherein one or more of the prefixes are nested prefixes, each nested prefix comprising one or more prefix.
9. (Original) A system, as in Claim 1, where the interface compiles a list of affixes that are in one or more of the documents.
10. (Original) A system, as in Claim 1, where the affixes are not listed in a dictionary that is accessible to the system.
11. (Original) A system, as in Claim 1, where the system interface is any one or more of the following: a graphical user interface, a print out, an interface to a text analysis system.

12. (Original) A system, as in Claim 1, where the affix process uses a Patricia tree to show substrings of words.

13. (Currently Amended) A method for analyzing text in one or more electronic documents, comprising the steps:

using a computer system to perform an affix process that determines one or more affixes of one or more words in one or more of the electronic documents; and

providing the determined one or more of the affixes to an interface of the computer system for display to a user; and wherein:

the step of using the computer system includes the steps of obtaining a collection of words, adding the words into a prefix Patricia Tree, using the prefix Patricia Tree to identify a set of candidate prefixes, reversing each of the words, adding the reversed words into a suffix Patricia Tree, using the suffix Patricia Tree to identify a set of candidate suffixes, refining the sets of candidate prefixes and suffixes to identify actual prefixes and suffixes, including the step of using knowledge, previously discovered in said refining step, to further refine said sets of candidate prefixes and suffixes.

14. (Original) A method according to Claim 13, wherein at least one of the affixes is a nested affix including a plurality of affixes.

15. (Original) A method according to Claim 13, further comprising the step of, said interface compiling a list of the determined one or more affixes.

Claim 16. (Cancelled).

Claim 17. (Cancelled).

Claim 18. (Cancelled).

19. (Currently Amended) A method according to Claim ~~[[18]]~~ 13, wherein the ~~[[using]]~~ step of using the computer system includes the further step of counting stems, which meet defined criteria, for the affixes for the words in said set of words.

20. (Currently Amended) A method according to Claim ~~[[18]]~~ 13, wherein the ~~[[using]]~~ step of using the computer system includes the further step of disambiguating at least some of the potential affixes to identify nested affixes.

21. (Currently Amended) A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to perform method steps for analyzing text in one or more electronic documents, said method steps comprising:

using a computer system to perform an affix process that determines one or more affixes of one or more words in one or more of the electronic documents; and

providing the determined one or more of the affixes to an interface of the computer system for display to a user; and wherein:

the step of using the computer system includes the steps of obtaining a collection of words, adding the words into a prefix Patricia Tree, using the prefix Patricia Tree to identify a set of candidate prefixes, reversing each of the words, adding the reversed words into a suffix Patricia Tree, using the suffix Patricia Tree to identify a set of candidate suffixes, refining the sets of candidate prefixes and suffixes to identify actual prefixes and suffixes, including the step of using knowledge, previously discovered in said refining step, to further refine said sets of candidate prefixes and suffixes.

22. (Original) A program storage device according to Claim 21, wherein at least one of the affixes is a nested affix including a plurality of affixes.

23. (Original) A program storage device according to Claim 21, further comprising the step of, said interface compiling a list of the determined one or more affixes.

Claim 24. (Cancelled).

Claim 25. (Cancelled).

Claim 26. (Cancelled).

27. (Currently Amended) A program storage device according to Claim [[26]] 27, wherein the [[using]] step of using the computer system includes the further step of counting stems, which meet defined criteria, for the affixes for the words in said set of words.

28. (Currently Amended) A program storage device according to Claim 27, wherein the [[using]] step of using the computer system includes the further step of disambiguating at least some of the potential affixes to identify nested affixes.

29. (New) A method according to Claim 13, wherein the step of using the computer system includes the further steps of:

disambiguating some of the affixes; and

generating new affixes from the disambiguated affixes.